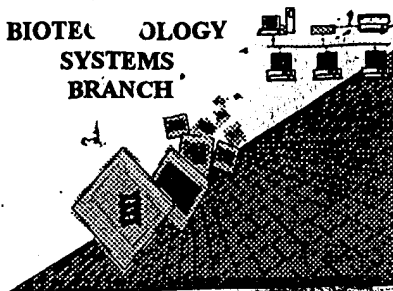


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/857,612

Source: Pu/09

Date Processed by STIC: 8/1/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER 703-308-4212

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX 703-308-4216

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable Form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,612

DATE: 08/01/2001

TIME: 18:15:44

Input Set : A:\BB1262 pct sequence listing.txt

Output Set: N:\CRF3\08012001\I857612.raw

3 <110> APPLICANT: E. I. du Pont de Nemours and Company
 5 <120> TITLE OF INVENTION: Plant Lecithin:Cholesterol Acyltransferases
 7 <130> FILE REFERENCE: BB1262
 9 <140> CURRENT APPLICATION NUMBER: US/09/857,612
 10 <141> CURRENT FILING DATE: 2001-07-19
 12 <150> PRIOR APPLICATION NUMBER: 60/110,782
 W--> 13 <151> PRIOR FILING DATE: 1998-December-03 1998-12-03 ← use this date format
 E--> 15 <160> NUMBER OF SEQ ID NOS: 14 156
 17 <170> SOFTWARE: Microsoft Office 97

Does Not Comply
Corrected Diskette Needed

see below

ERRORED SEQUENCES

774 <210> SEQ ID NO: 15
 775 <211> LENGTH: 432
 776 <212> TYPE: PRT
 777 <213> ORGANISM: Arabidopsis thaliana
 779 <400> SEQUENCE: 15
 780 Met Lys Lys Ile Ser Ser His Tyr Ser Val Val Ile Ala Ile Leu Val
 781 1 5 10 15
 783 Val Val Thr Met Thr Ser Met Cys Gln Ala Val Gly Ser Asn Val Tyr
 784 20 25 30
 786 Pro Leu Ile Leu Val Pro Gly Asn Gly Gly Asn Gln Leu Glu Val Arg
 787 35 40 45
 789 Leu Asp Arg Glu Tyr Lys Pro Ser Ser Val Trp Cys Ser Ser Trp Leu
 790 50 55 60
 792 Tyr Pro Ile His Lys Lys Ser Gly Gly Trp Phe Arg Leu Trp Phe Asp
 793 65 70 75 80
 795 Ala Ala Val Leu Leu Ser Pro Phe Thr Arg Cys Phe Ser Asp Arg Met
 796 85 90 95
 798 Met Leu Tyr Tyr Asp Pro Asp Leu Asp Asp Tyr Gln Asn Ala Pro Gly
 799 100 105 110
 801 Val Gln Thr Arg Val Pro His Phe Gly Ser Thr Lys Ser Leu Leu Tyr
 802 115 120 125
 804 Leu Asp Pro Arg Leu Arg Asp Ala Thr Ser Tyr Met Glu His Leu Val
 805 130 135 140
 807 Lys Ala Leu Glu Lys Lys Cys Gly Tyr Val Asn Asp Gln Thr Ile Leu
 808 145 150 155 160
 810 Gly Ala Pro Tyr Asp Phe Arg Tyr Gly Leu Ala Ala Ser Gly His Pro
 811 165 170 175
 813 Ser Arg Val Ala Ser Gln Phe Leu Gln Asp Leu Lys Gln Leu Val Glu
 814 180 185 190
 816 Lys Thr Ser Ser Glu Asn Glu Gly Lys Pro Val Ile Leu Leu Ser His
 817 195 200 205
 819 Ser Leu Gly Gly Leu Phe Val Leu His Phe Leu Asn Arg Thr Thr Pro
 820 210 215 220
 822 Ser Trp Arg Arg Lys Tyr Ile Lys His Phe Val Ala Leu Ala Ala Pro

last sequence in file

RAW SEQUENCE LISTING

DATE: 08/01/2001

PATENT APPLICATION: US/09/857,612

TIME: 18:15:44

Input Set : A:\BB1262 pct sequence listing.txt

Output Set: N:\CRF3\08012001\I857612.raw

```

823 225          230          235          240
825 Trp Gly Gly Thr Ile Ser Gln Met Lys Thr Phe Ala Ser Gly Asn Thr
826          245          250          255
828 Leu Gly Val Pro Leu Val Asn Pro Leu Leu Val Arg Arg His Gln Arg
829          260          265          270
831 Thr Ser Glu Ser Asn Gln Trp Leu Leu Pro Ser Thr Lys Val Phe His
832          275          280          285
834 Asp Arg Thr Lys Pro Leu Val Val Thr Pro Gln Val Asn Tyr Thr Ala
835          290          295          300
837 Tyr Glu Met Asp Arg Phe Phe Ala Asp Ile Gly Phe Ser Gln Gly Val
838 305          310          315          320
840 Val Pro Tyr Lys Thr Arg Val Leu Pro Leu Thr Glu Glu Leu Met Thr
841          325          330          335
843 Pro Gly Val Pro Val Thr Cys Ile Tyr Gly Arg Gly Val Asp Thr Pro
844          340          345          350
846 Glu Val Leu Met Tyr Gly Lys Gly Gly Phe Asp Lys Gln Pro Glu Ile
847          355          360          365
849 Lys Tyr Gly Asp Gly Asp Gly Thr Val Asn Leu Ala Ser Leu Ala Ala
850          370          375          380
852 Leu Lys Val Asp Ser Leu Asn Thr Val Glu Ile Asp Gly Val Ser His
853 385          390          395          400
855 Thr Ser Ile Leu Lys Asp Glu Ile Ala Leu Lys Glu Ile Met Lys Gln
856          405          410          415
858 Ile Ser Ile Ile Asn Tyr Glu Leu Ala Asn Val Asn Ala Val Asn Glu
859          420          425          430

```

E--> 862 15

*delete**psf →*

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/857,612

DATE: 08/01/2001

TIME: 18:15:45

Input Set : A:\BB1262 pct sequence listing.txt

Output Set: N:\CRF3\08012001\I857612.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:64 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:65 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:125 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:424 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:862 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:15
L:15 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (14) Counted (15)